

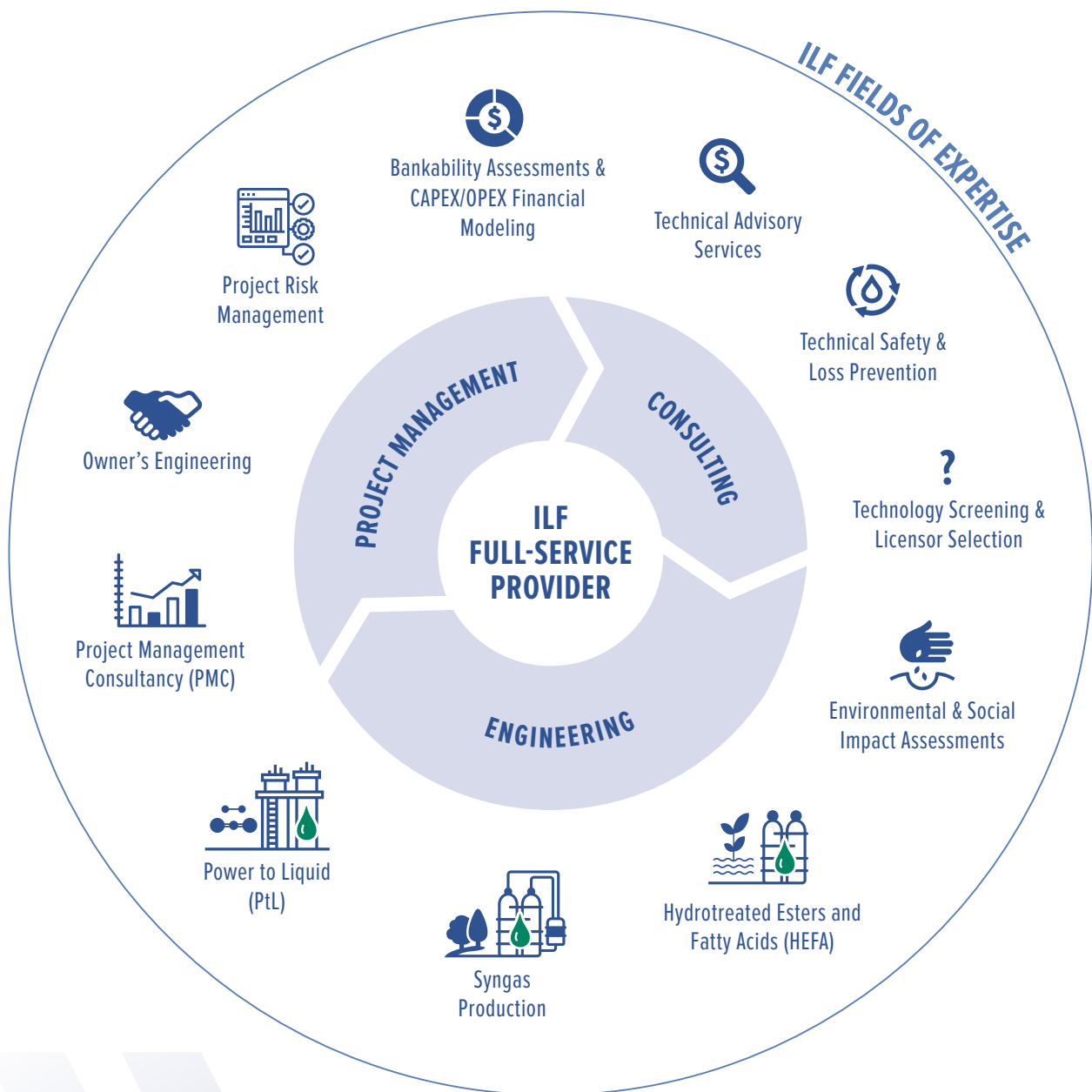
SUSTAINABLE AVIATION FUELS.

ENGINEERING EXCELLENCE.



SUSTAINABLE AVIATION FUELS (SAF)

Global realization of the net-zero carbon emissions target is driving innovation in fuel technology, paving the way for the transition to sustainable sources of aviation fuel. Focusing on the hard-to-abate mobility sector, particularly shipping and aviation, renewable resources must be included to form a resilient value chain that supports global mobility. Driven by international regulations for sustainable components in the aviation fuel mix, ILF is pioneering solutions for SAF projects.



At ILF, our openness to technological innovation and our flexibility to adapt to the fast-changing industry landscape support our positioning as a leading expert in the field of sustainable aviation fuels.

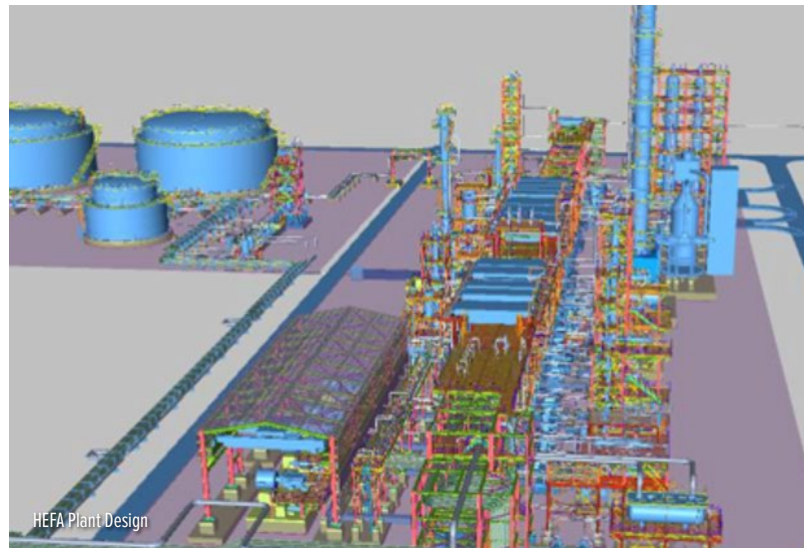
With extensive technical and project management experience with licensed technologies, our team has not only developed the know-how, but also the capabilities to implement industrial-scale SAF production facilities. Our independence from manufacturers, licensors and financing institutions also allows us to tailor solutions to clients' exact needs, creating low-carbon solutions that are optimized in terms of environmental impact and use of sustainable feedstocks, and that clients can implement for both biofuel production and synthetic options.

Our holistic project approach, which combines our experience with consulting and risk management expertise, furthermore enables us to offer clients a range of different services across the entire project lifecycle.



"We truly believe in the energy transition and prioritize sustainability as the key driver in projects. We proactively embrace technological development and are eager to work with visionary clients and partners looking to invest in and implement SAF projects."

Florian Knaus, PhD
Competence Representative for the
Competence Field Sustainable Fuels



SAF PROJECT HIGHLIGHTS:

- Techno-economic study on the utilization of captured CO₂ for the production of Synthetic Natural Gas (SNG), e-methanol and e-SAF
- HEFA and HVO plant (220 kt/a production capacity)
- Biomass gasification and Fischer-Tropsch synthesis incl. H₂ production unit (100 kt/a SAF production capacity)

ILF is your partner of choice for the design of SAF and SAF precursor projects including hydrogen (H₂), Carbon Capture (CC), biomass gasification and related technologies.



Green Hydrogen:

- H₂ production plant (200 MW production capacity)
- Green Ammonia Plant incl. H₂ production unit (60 MW production capacity)

Carbon Capture, Utilization and Storage (CCUS):

- Carbon capture from point sources incl. liquefaction and storage system (400 kt/a)
- Biomethanation plant incl. carbon capture unit and H₂ production unit (75 MW)
- Techno-economic study on the utilization of captured CO₂ for the production of e-methanol





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